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## IN THE CLAIMS:

1. (Original) A method for measuring product shipment process capability, comprising:

maintaining a database that contains fields indicating at least an order, a max ship date, a customer requested date, and a product category for each order;

fetching order information for all orders that have a valid max ship date;

subtracting the customer requested date from the max ship date producing a difference value;

adding a predetermined number of days to the difference value providing a shipment quality metric for each order; and

determining a statistical calculation to indicate process quality using the shipment quality metric.

- (Original) The method of claim 1 wherein the order information fetched from the database is only for those orders that were placed within a given time period.
- (Original) The method of claim 1 further comprising: determining a value for an upper specification limit and a lower specification limit;

displaying the percentage of times the shipment quality metric was greater than the upper specification limit; and

displaying the percentage of times the shipment quality metric was less than the lower specification limit.

- 4. (Original) The method of claim I further comprising:
  setting a value for at least one specification limit; and
  computing and displaying a statistical score based upon the specification limit
  and the shipment quality metrics, wherein said statistical score is a measure of process capability.
- 5. (Original) The method of claim 1 wherein the steps following maintaining the database are repeated at regular time intervals.

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- (Original) The method of claim 1 wherein the statistical calculation is calculated and displayed for each product category.
- 7. (Original) The method of claim 4 wherein the statistical score is calculated by using a formula given by:

$$Z_{LT} = \min \left[ \frac{USL - \mu}{\sigma}, \frac{\mu - I.SI.}{\sigma} \right].$$

- 8. (Original) The method of claim 7 wherein the method further comprises determining Z short-term by use of the formula  $Z_{ST} = Z_{LT} + 1.5$ .
- 9. (Original) The method of claim 7 wherein the method further comprises displaying said  $Z_{LT}$  value by displaying a scale representing a range of values for  $Z_{LT}$  with an overlapping needle to indicate current performance.
- 10. (Original) The method of claim 8 wherein the method further comprises graphically displaying the  $Z_{ST}$  value by displaying a range of values with an overlapping needle to indicate current performance.
- 11. (Original) A computer-readable medium having stored thereon one or more computer programs having a set of instructions that, when executed by one or more computers, causes the one or more computers to:

query a database that contains information detailing orders, a requested delivery date, a max ship date, and a product category for a plurality of products;

ignore orders with no max ship date;

subtract the requested delivery date from the max ship date and add an adjustment value to obtain a shipment quality metric;

repeat the query, subtraction, addition acts for a plurality of shipped products; and

process the shipment quality metrics to determine overall shipment quality.

12. (Original) The computer-readable medium of claim 11 wherein the shipment quality metrics are processed to provide a statistical measure of process capability.

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- 13. (Original) The computer-readable medium of claim 11 wherein the shipment quality metrics are regularly re-processed by repeating the acts of claim 11 at regular time intervals.
- 14. (Original) The computer-readable medium as in claim 13 wherein the regular time interval is substantially real-time as perceived by a user.
- 15. (Original) The computer-readable medium of claim 11 wherein processing the shipment quality metrics is accomplished by a set of instructions that, when executed by one or more computers, causes the one or more computers to further:

determine a mean of the shipment quality metrics;

determine a standard deviation of the shipment quality metrics;

designate an upper specification limit (USL) and a lower specification limit (LSL) for the shipment quality metrics;

determine a Z long-term value by subtracting the mean from the upper specification limit and dividing the result by the standard deviation; and

display the value of Z long-term.

- 16. (Original) The computer-readable medium of claim 15 having further instructions to determine an estimated value for Z Short Term by adding a constant to the Z long-term value.
- 17. (Original) A computer data signal representing a sequence of instructions that, when executed by one of more processors, cause the one or more processors to:

maintain a database of data indicating an order number, a promise date, a request date, a max ship date, and a product category for each product;

obtain the data from each order that has a valid max ship date;

create an upper specification limit by adding a predetermined number of days just prior to a customer's requested delivery date;

create a lower specification limit by adding a predetermined number of days after a customer's requested delivery date; and

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compute and display a statistical value providing an indication of process capability.

- 18. (Original) The computer data signal of claim 17 wherein the computer data signal contains further instructions to repeat the instructions of claim 17 at regular time intervals.
- 19. (Original) The computer data signal of claim 17 wherein the information is updated and the statistical value is recalculated every time a user requests the information.
  - 20. (Original) The computer data signal of claim 17 having instructions to: determine a mean value and a standard deviation;

subtract the mean value from the upper specification limit and divide a result by the standard deviation to create a first Z-value;

subtract the lower specification limit from the mean value and divide a result by the standard deviation to create a second Z-value; and

choose a value that is a minimum of the first and second Z-values.

- 21. (Original) The computer data signal of claim 17 wherein the statistical value calculated and displayed is a projected defect in parts per million.
- 22. (Original) The computer data signal of claim 17 wherein the statistical value calculated and displayed is a Z long-term value.
- 23. (Original) The computer data signal of claim 17 wherein the statistical value calculated and displayed is a Z short-term value.
- 24. (Original) The computer data signal of claim 17 having instructions to:

  determine a number of times that an actual shipment date was between the upper specification limit and the lower specification limit given a number of opportunities;

project what the number of opportunities would be given one million opportunities; and

display the projected number as defects per one million opportunities.

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25. (Original) The computer data signal of claim 20 wherein the instructions cause the one or more processors to further:

decide which of the first and second Z-values are a minimum value; and display the minimum value first and second Z-values identified as Z long-term.

26. (Original) The computer data signal of claim 25 wherein the instructions cause the one or more processors to further:

add 1.5 to the minimum value and display it as Z short-term.